



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Xiadong Mao

Application No. 10/650,409

Filed: August 27, 2003

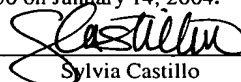
For: AUDIO INPUT SYSTEM

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) Group Art Unit: 2644
)
) Examiner: Unassigned
)
) Atty. Docket No. SONYP028
)
) Date: January 14, 2004
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CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450 on January 14, 2004.

Signed: _____


Sylvia Castillo

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, VA 22313-1450


Dear Sir:

The references listed in the attached PTO Form 1449, copies of which are attached, may be material to examination of the above-identified patent application. Applicants submit these references in compliance with their duty of disclosure pursuant to 37 CFR §§ 1.56 and 1.97. The Examiner is requested to consider these references and to acknowledge such consideration by initialing the appropriate location on the attached PTO Form 1449.

This Information Disclosure Statement (IDS) is not to be construed as a representation that a search has been made, that additional information material to the examination of this application does not exist, or that these references indeed constitute prior art.

This IDS is believed to be filed before the mailing date of a first Office Action. Accordingly, it is believed that no fees are due in connection with the filing of this IDS. However, if it is determined that any fees are due, then the Commissioner is hereby authorized to charge such fees to Deposit Account 50-0805 (Order No. SONYP028).

Respectfully submitted,
MARTINE & PENILLA, LLP


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| Form 1449 (Modified) Information Disclosure Statement By Applicant (Use Several Sheets if Necessary) | Attorney Docket No: U.S. SONYP028 10/650,409 Applicant: Xiadong Mao Filing Date: August 27, 2003 Group: 2644 |
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U.S. Patent Documents

| Examiner Initial | No. | Patent No. | Date | Patentee | Class | Sub-class |
|------------------|-----|------------|------|----------|-------|-----------|
| | A | | | | | |
| | B | | | | | |
| | C | | | | | |
| | D | | | | | |
| | E | | | | | |
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| | J | | | | | |
| | K | | | | | |

Foreign Patent or Published Foreign Patent Application

| Examiner Initial | No. | Document No. | Date | Country or Patent Office | Class | Sub-class | Translation | |
|------------------|-----|--------------|------|--------------------------|-------|-----------|-------------|----|
| | | | | | | | Yes | No |
| | L | | | | | | | |
| | M | | | | | | | |
| | N | | | | | | | |
| | O | | | | | | | |
| | P | | | | | | | |

Other Documents

| Examiner Initial | No. | Author, Title, Place (e.g. Journal) of Publication, Date |
|------------------|-----|--|
| | R | OFIR SHALVI and EHUD WEINSTEIN, "System Identification Using Nonstationary Signals," IEEE Transactions on Signal Processing, Vol. 44, No. 8, August 1996 |
| | S | DAVID BURSHTEN and SHARON GANNOT, "Speech Enhancement Using a Mixture-Maximum Model," IEEE Transactions on Speech and Audio Processing, Vol. 10, No. 6, September 2002 |
| | T | BARRY D. VAN VEEN and KEVIN M. BUCKLEY, "Beamforming: A Versatile Approach to Spatial Filtering," IEEE ASSP Magazine, April 1998 |
| | U | JOHN J. SHYNK, "Frequency-Domain and Multirate Adaptive Filtering," IEEE SP Magazine, January 1992 |
| Examiner | | Date Considered |

Examiner: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.